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- 21 [Spatio-temporal evolution: querying patterns of change in databases](#)  
 Nassima Djafri, Alvaro A. A. Fernandes, Norman W. Paton, Tony Griffiths  
 November 2002 **GIS '02: Proceedings of the 10th ACM international symposium on information systems**

**Publisher:** ACM

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**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 52, Download

This paper contributes a general approach to characterizing patterns of c database. While there is a particular interest in modelling and querying h approach contributed by the paper is ...

**Keywords:** spatio-temporal databases, spatio-temporal query

- 22 [A survey of the persistent naming problem](#)

[David Marcheix, Guy Pierra](#)

June 2002 **SMA '02: Proceedings of the seventh ACM symposium on Soli**

**Publisher:** ACM

Full text available: [Pdf](#) (282.29 KB)

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**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 26, Download

In this paper, we present a survey of existing approaches on persistent r five common concepts that may be found in most of the studies. We prop classifying persistent naming approaches. ...

**Keywords:** CAD, parametric design, persistent naming, reevaluation

- 23 [Review of "spotting and discovering terms through natural language](#)  
 Cambridge, MA: The MIT Press, 2001

[Sophia Ananiadou](#)

June 2002 **Computational Linguistics**, Volume 28 Issue 2

**Publisher:** MIT Press

Full text available: [Pdf](#) (242.09 KB)

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 Ling Feng, Elizabeth Chang, Tharam Dillon  
 October 2002 **Transactions on Information Systems (TOIS)** , Volume 20  
**Publisher:** ACM  [Request Permissions](#)  
 Full text available:  [Pdf](#) (285.64 KB) [Additional Information: full citation, abstract](#)  
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The eXtensible Markup Language (XML) is fast emerging as the dominant interchanging data among various systems and databases on the Internet (DTD) as a formalism for defining the syntax ...




**Keywords:** XML, XML Schema, conceptual modeling, design methodology

- 25 [Secure and selective dissemination of XML documents](#)  
 [Elisa Bertino, Elena Ferrari](#)  
 August 2002 **Transactions on Information and System Security (TISS)**  
**Publisher:** ACM  [Request Permissions](#)  
 Full text available:  [Pdf](#) (678.34 KB) [Additional Information: full citation, abstract](#)  
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XML (*eXtensible Markup Language*) has emerged as a prevalent standard for exchange on the Web. It is often the case that XML documents contain information that must be selectively shared ...

**Keywords:** Access control, XML, secure distribution

- 26 [Review of "Automatic summarization" by Inderjeet Mani, Amsterdam processing series, edited by Ruslan Mitkov, volume 3\), 2001](#)  
[Chris D. Paice](#)  
 June 2002 **Computational Linguistics** , Volume 28 Issue 2  
**Publisher:** MIT Press  
 Full text available:  [Pdf](#) (242.09 KB) [Additional Information: full citation, references](#)  
**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 30, Downloads (24 Months): 30

- 27 [Machine learning in automated text categorization](#)  
 [Fabrizio Sebastiani](#)  
 March 2002 **Computing Surveys (CSUR)** , Volume 34 Issue 1  
**Publisher:** ACM  [Request Permissions](#)  
 Full text available:  [Pdf](#) (524.41 KB) [Additional Information: full citation, abstract](#)  
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The automated categorization (or classification) of texts into predefined categories has attracted much interest in the last 10 years, due to the increased availability of documents and the need to organize them. In the research ...

**Keywords:** Machine learning, text categorization, text classification

[Query processing over object views of relational data](#)

Gustav Fahl, Tore Risch

November 1997 **The VLDB Journal — The International Journal on Very Large Databases**  
**Publisher:** Springer-Verlag New York, Inc.

Full text available:  Pdf (454.31 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 55, Downloads (All Time): 112

This paper presents an approach to *object view* management for relational databases. It makes it possible for users to transparently work with data in a relational database. The approach is based on the concept of an object-oriented (OO) database. ...


**Keywords:** Object views, Object-oriented federated databases, Query optimization, Query processing

29 [Review of "Sentence comprehension: The integration of habits and rules"](#)

Thomas G. Bever, Cambridge, MA: MIT Press (Language, speech, and hearing), 1997, 1998, 1999, 2000, 2001, 2002

June 2002 **Computational Linguistics**, Volume 28 Issue 2

**Publisher:** MIT Press

Full text available:  Pdf (242.09 KB)

Additional Information: [full citation](#), [reference](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 20, Downloads (All Time): 41

30 [5SL: a language for declarative specification and generation of digital circuits](#)

Marcos André Gonçalves, Edward A. Fox

July 2002 **JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital Libraries**

**Publisher:** ACM 

Full text available:  Pdf (292.78 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 58, Downloads (All Time): 112


Digital libraries (DLs) are among the most complex kinds of information systems. They have a multi-disciplinary nature. Nowadays DLs are built within monolithic, tight systems -- or by assembling ...

**Keywords:** 5S, 5SL, design tools, generators, languages, models

31 [Database design with common sense business reasoning and learning](#)

Veda C. Storey, Roger H. L. Chiang, Debabrata Dey, Robert C. Goldstein, S. K. Srikumar, December 1997 **Transactions on Database Systems (TODS)**, Volume 22 Issue 4

**Publisher:** ACM 

Full text available:  Pdf (1.30 MB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 41, Downloads (12 Months): 274, Downloads (All Time): 515

Automated database design systems embody knowledge about the data and the knowledge about the domains for which databases are being developed. This paper describes a methodology for acquiring and using ...

**Keywords:** common sense business reasoner, common sense learning, database design, database systems

design, entity-relationship model


## 32 Profiles for the situated web

Lalitha Suryanarayana, Johan Hjelm

May 2002

**WWW '02:** Proceedings of the 11th international conference on

**Publisher:** ACM

Full text available:  Pdf (263.89 KB)

Additional Information: full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 59, Downloads (All Time): 100

The World Wide Web is evolving into a medium that will soon make it possible to provide situation-aware services. A situation-aware or situated web application is one that adapts to the user's current situation, providing a personalized user experience (content, interaction ...).

**Keywords:** CC/PP, XML, profiles, situated-aware applications, vocabular


### 33 Uniform comparison of data models using containment modeling

 E. James Whitehead, Jr.

June 2002

**HYPERTEXT '02:** Proceedings of the thirteenth ACM conferen

Publisher: ACM

 Request PermissionsFull text available:  Pdf (300.56 KB)

Additional Information: full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 60, Downloads

Containment data models are a subset of entity relationship models in w type of containment, storage, or inheritance. This paper describes contai data models, applying them ...

**Keyw ords:** containment data modeling, hypertext data models

34 Review of "Empirical methods for exploiting parallel texts" by I. Dan M  
2001

Ted Pedersen

June 2002 **Computational Linguistics**, Volume 28 Issue 2

**Publisher:** MIT Press

Full text available:  Pdf (242.09 KB)

Additional Information: full citation, refere


**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 23, Downloads (Since First Published): 23

### 35 Untangling taxonomies and relationships: personal and practical problems of large ontologies

Alan L. Rector, Chris Wroe, Jeremy Rogers, Angus Roberts

October 2001 **K-CAP '01**: Proceedings of the 1st international conference on

Publisher: ACM

 Request PermissionsFull text available:  Pdf (260.31 KB)


Additional Information: full citation, abstract

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 47, Downloads (Since Published): 47


The GALEN programme has been developing medical ontologies collaboratively. These ontologies are large and formulated in a specialised description logic, GR. The programme involves the collaboration of over a dozen groups, most with ...

**Keywords:** cooperative development, medical, ontology design, ontolog

### 36 Models and issues in data stream systems

 Brian Babcock, Shiyunath Babu, Mayur Datar, Rajeev Motwani, Jennifer Widom  
June 2002 **PODS '02: Proceedings of the twenty-first ACM SIGMOD-SIG**  
database systems

**Publisher:** ACM  Request Permissions

Full text available:  Pdf (257.79 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 111, Downloads (12 Months): 958, Downl

In this overview paper we motivate the need for and research issues arise  
In this model, data does not take the form of persistent relations, but rather  
time-varying *data* ...


### 37 HMAP—A temporal data model managing intervals with different gran

natural language sentences

Carlo Combi, Giuseppe Pozzi

April 2001 **The VLDB Journal — The International Journal on Very L**

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  Pdf (283.67 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 39, Downl

The *granularity* of given temporal information is the level of abstraction  
Different units of measure allow one to represent different granularities.  
temporal information given ...


**Keywords:** Temporal databases, Three-valued logic, Time granularity, T

### 38 BuddyCache: high-performance object storage for collaborative stor

 Magnus E. Björnsson, Liuba Shrira

November 2002 **OOPSLA '02: Proceedings of the 17th ACM SIGPLAN conf**  
systems, languages, and applications

**Publisher:** ACM  Request Permissions

Full text available:  Pdf (269.18 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 44, Downl

Collaborative applications provide a shared work environment for groups  
common task. They require strong consistency for shared persistent data  
objects. These properties are ...

**Keywords:** cooperative caching, fault-tolerance, fine-grain sharing, obje  
area network

Also published in:


November 2002 **SIGPLAN Notices** Volume 37 Issue 11

### 39 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **CASCON '97**: Proceedings of the 1997 conference of the C  
Collaborative research

**Publisher:** IBM Press

Full text available:  Pdf (4.21 MB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 371, Downl


Understanding distributed applications is a tedious and difficult task. Visu  
diagrams are often used to obtain a better understanding of the executio  
tool we use is Poet, an event ...

#### 40 [A database model for object dynamics](#)

M. P. Papazoglou, B. J. Krämer

May 1997 **The VLDB Journal — The International Journal on Very L**

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  Pdf (313.64 KB)

Additional Information: [full citation](#), [abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 66, Downloa

To effectively model complex applications in which constantly changing s  
system must be able to support the runtime specification of structural ar  
individual or group basis. ...

**Keywords:** Dynamic class hierarchy, Dynamic object re-classification, O  
Object-oriented database systems

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